

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8491 - L2 Version 3
Chandra X-Ray Center

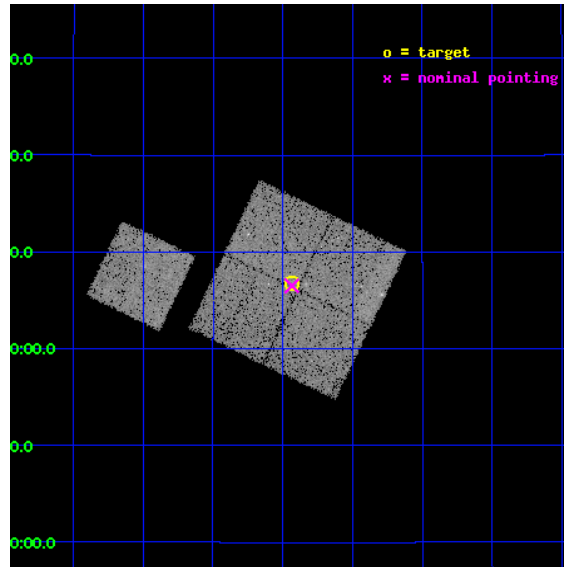
L2 Processing Date : Apr 19 2012

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1 Front

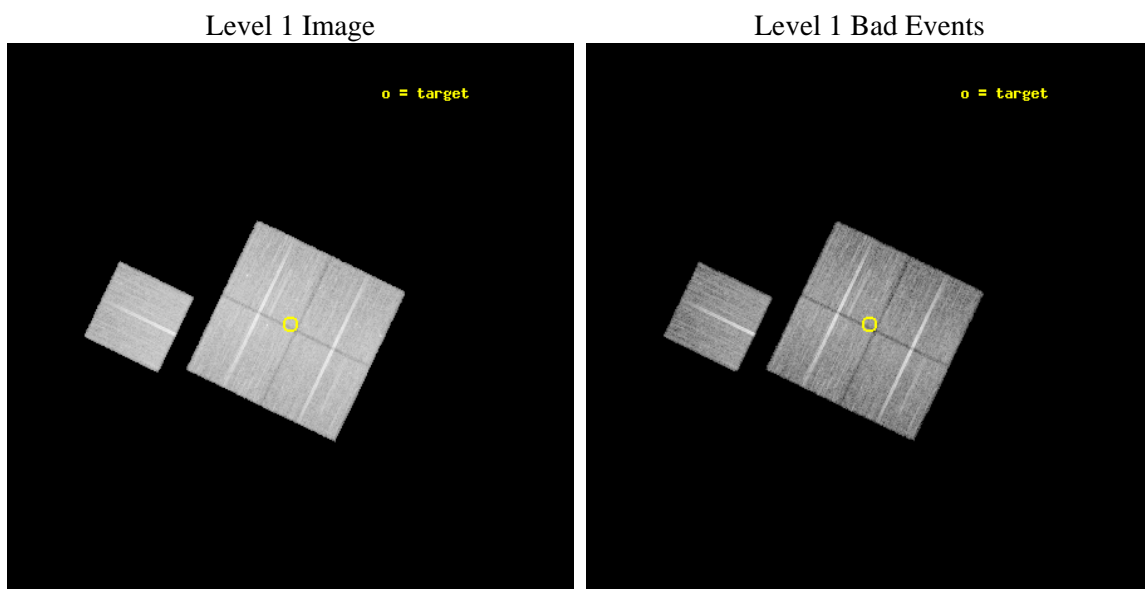
seq_num	800610	Sequence number
obs_id	8491	Observation id
title	HI-deficient ultracompact groups	Proposal title
observer	Prof Trevor Ponman	Principal investigator
object	HCG 100	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.358333	Observer's specified target RA [deg]
dec_targ	13.113056	Observer's specified target Dec [deg]
ra_nom	0.35865962919701	Nominal RA [deg]
dec_nom	13.108359495788	Nominal Dec [deg]
roll_nom	295.7086225599	Nominal Roll [deg]
revision	3	Processing version of data
ontime	18066.746510446	Sum of GTIs [s]
livetime	17830.691166742	Livetime [s]
ontime0	18066.623390436	Sum of GTIs [s]
ontime1	18063.52346015	Sum of GTIs [s]
ontime2	18066.705470443	Sum of GTIs [s]
ontime3	18066.746510446	Sum of GTIs [s]
ontime6	18066.582350433	Sum of GTIs [s]
l2events	60452	Number of level 2 events



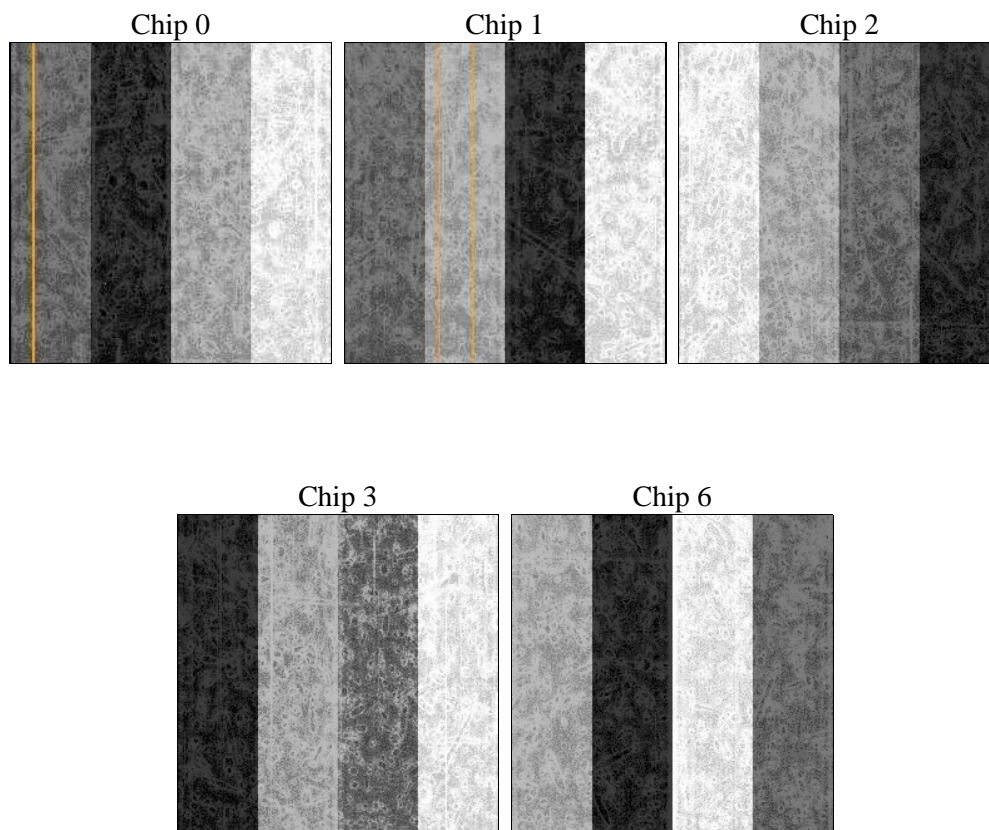
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	18021.925000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	18066.746510446	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	18066.623390436	Sum of GTIs [s]
date	2012-04-19T02:30:22	Date and time of file creation	ontime1	18063.52346015	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	18066.705470443	Sum of GTIs [s]
			ontime3	18066.746510446	Sum of GTIs [s]
			ontime6	18066.582350433	Sum of GTIs [s]
			l1events	701068	Number of level 1 events

2.1.4 Events

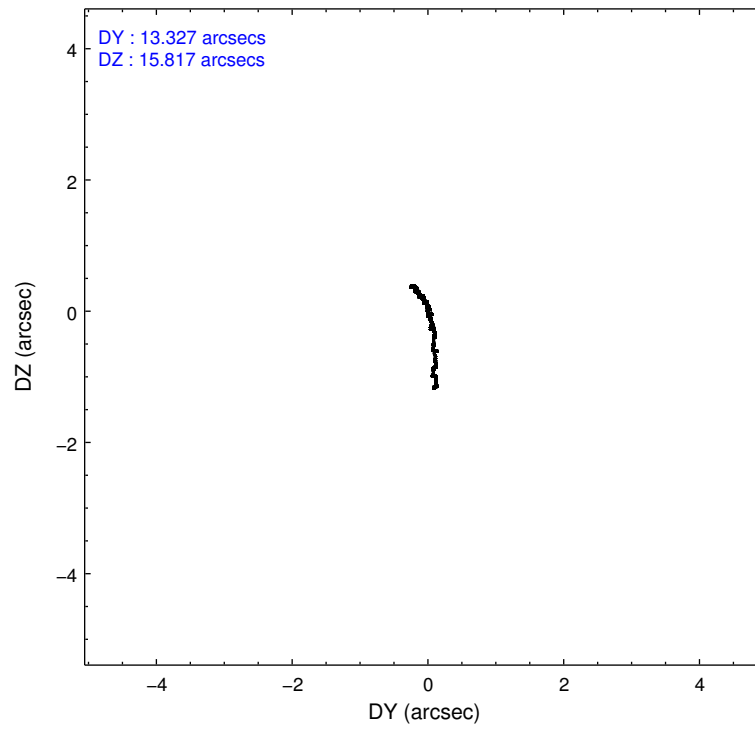
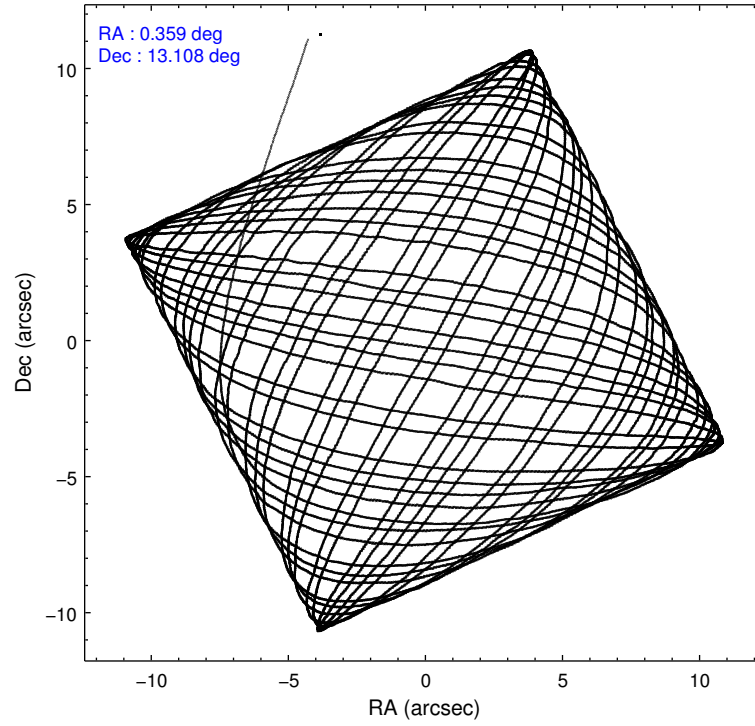
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	134022	128799	151438	144683	142126
rejected events	120188	112395	137682	131086	127141
rejected %	89%	87%	90%	90%	89%

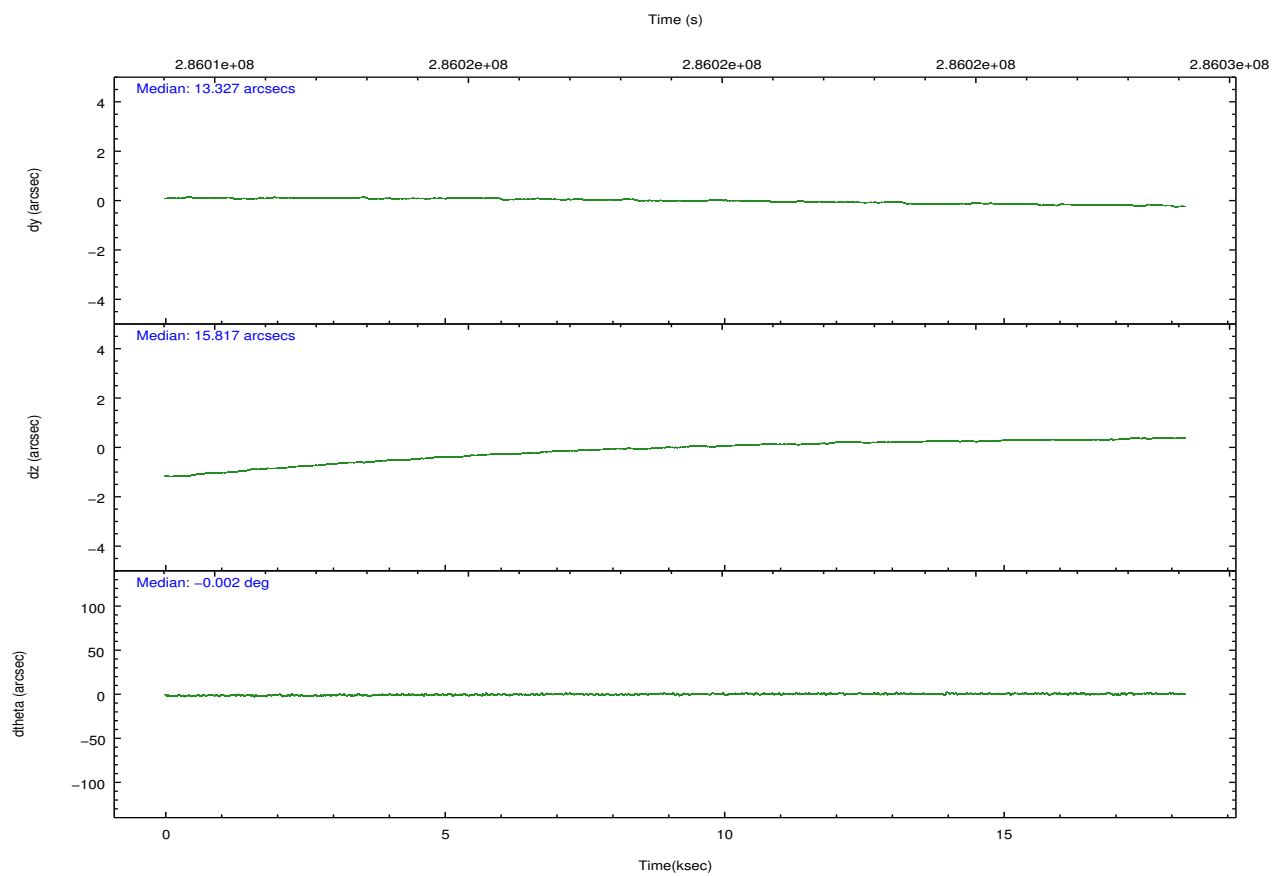
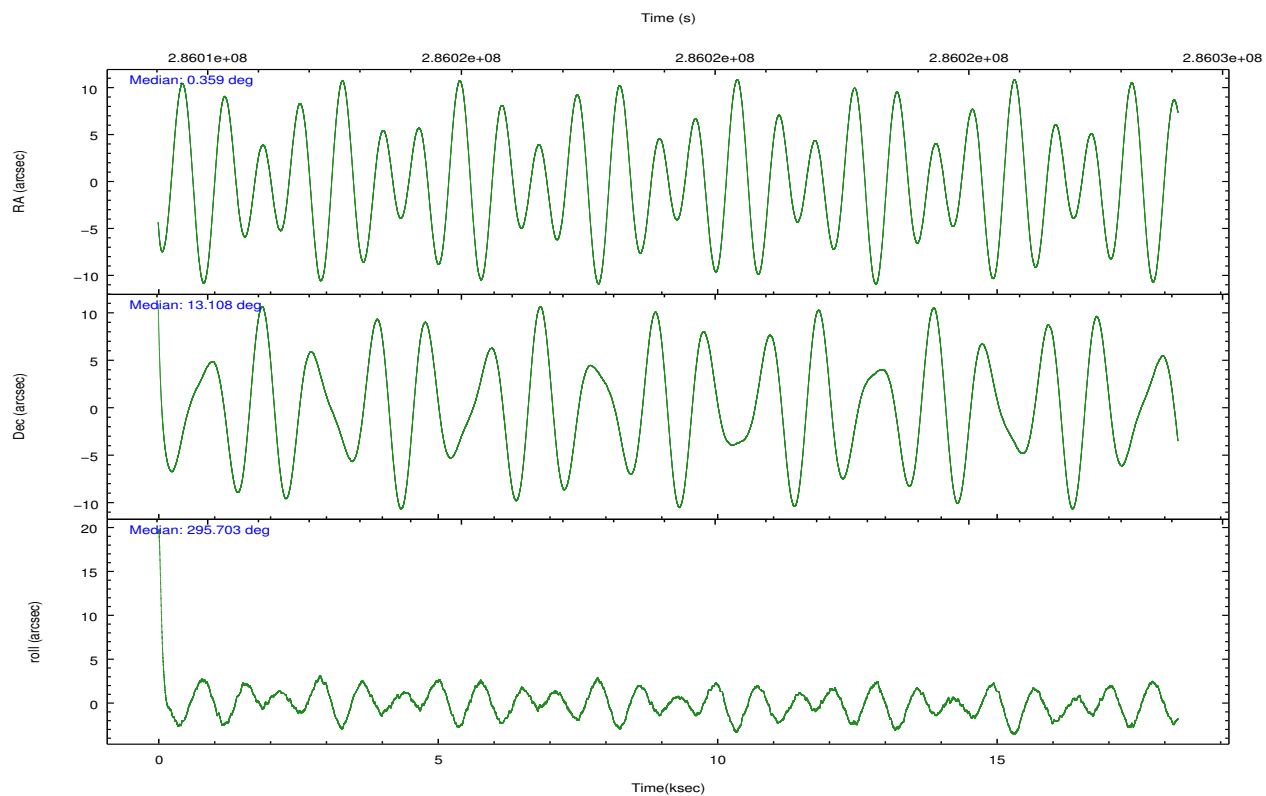
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	4806	6148	5089	4931	5484
	3%	4%	3%	3%	3%
grade 1 events	70	71	88	82	74
	0%	0%	0%	0%	0%
grade 2 events	3298	3582	3309	2884	3143
	2%	2%	2%	1%	2%
grade 3 events	1581	1810	1456	1493	1632
	1%	1%	0%	1%	1%
grade 4 events	1455	1671	1498	1512	1549
	1%	1%	0%	1%	1%
grade 5 events	4852	5355	4519	5820	5631
	3%	4%	2%	4%	3%
grade 6 events	2704	3195	2407	2779	3182
	2%	2%	1%	1%	2%
grade 7 events	115256	106967	133072	125182	121431
	85%	83%	87%	86%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	0.335267	0.3586596291970068	Subarray requested	NONE	NONE
[deg] Pointing Dec	13.123756	13.10835949578758	Alternating exposures requested	N	N
[deg] Pointing Roll	295.505235	295.7086225598971	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	286010165.184000	286009210.68795			
Observation start date	2007-01-24T07:15:00	2007-01-24T07:00:10			
[s] Observation end time (MET)	286028187.184000	286028415.60136			
Observation end date	2007-01-24T12:15:22	2007-01-24T12:20:15			
Read mode	TIMED	TIMED			

2.3 Aspect



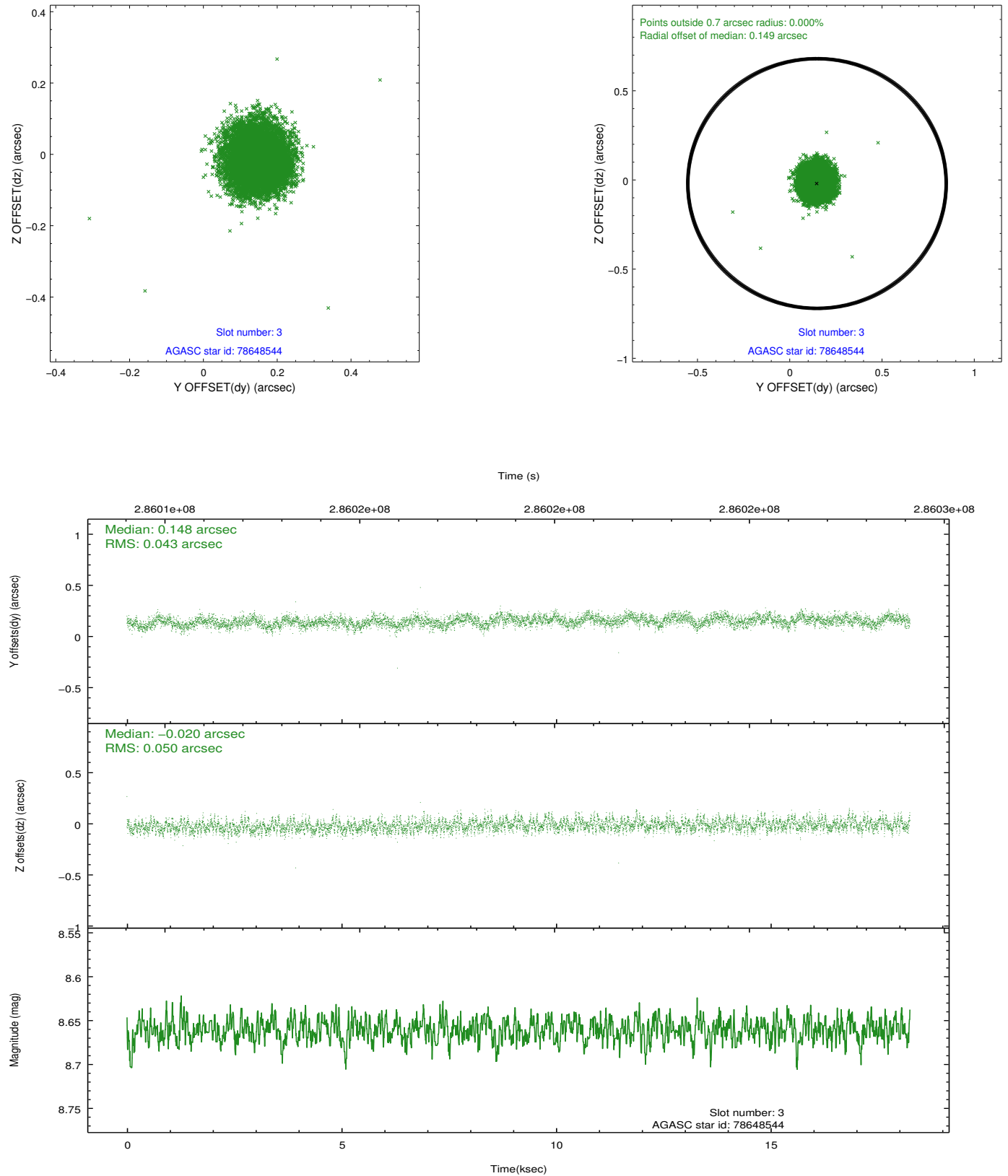


Slot Statistics

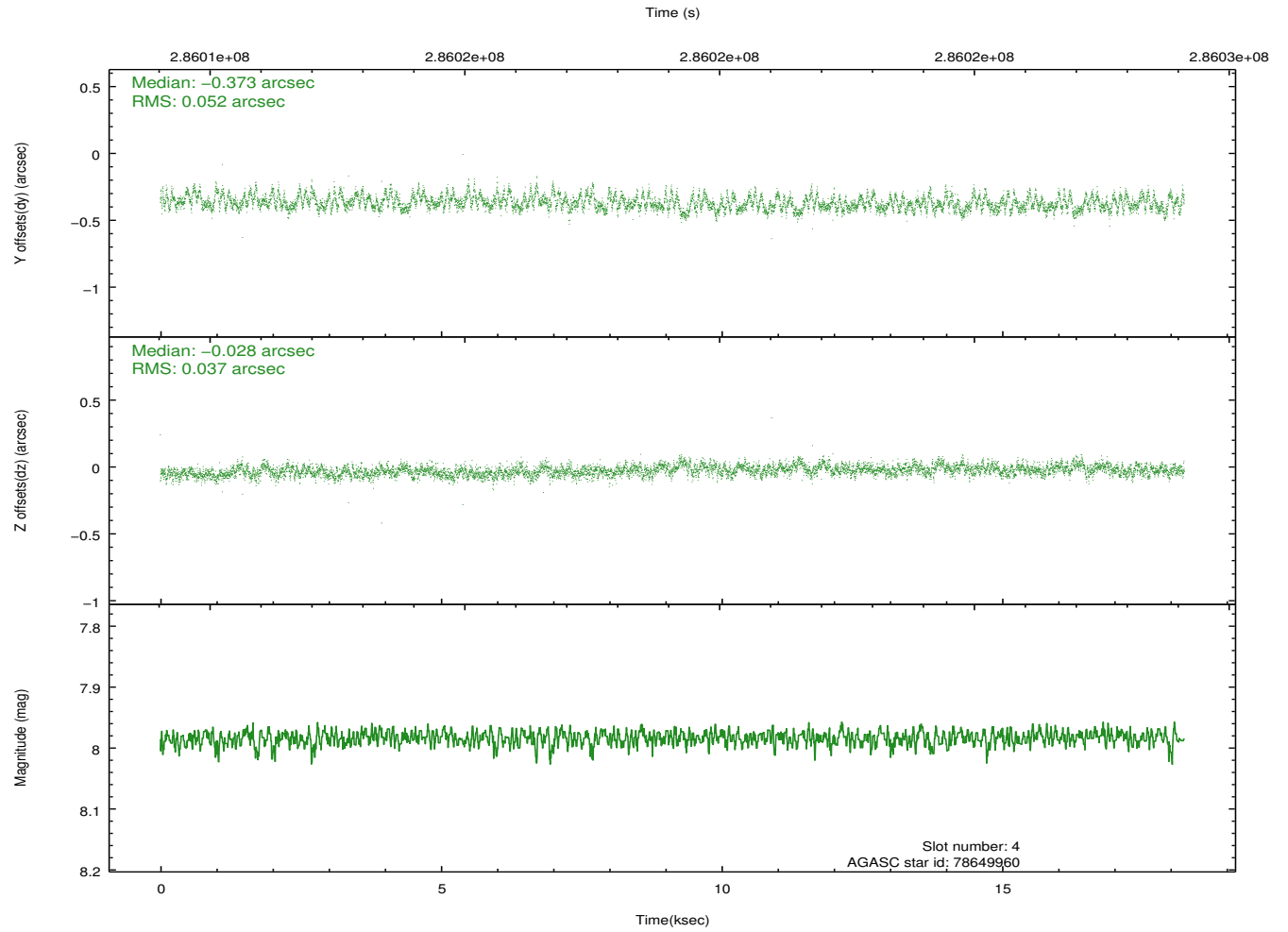
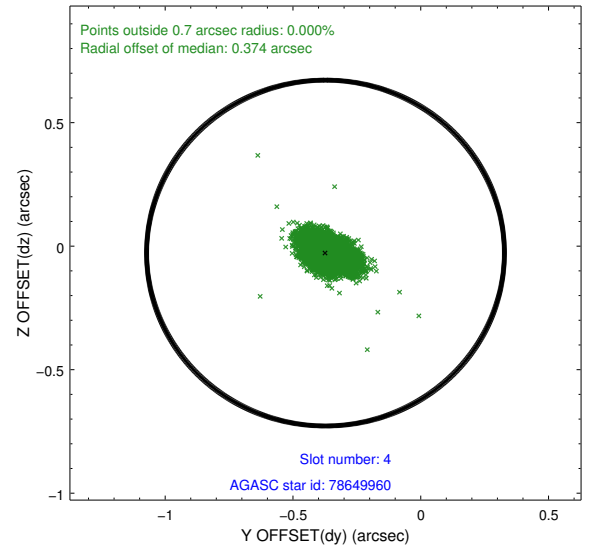
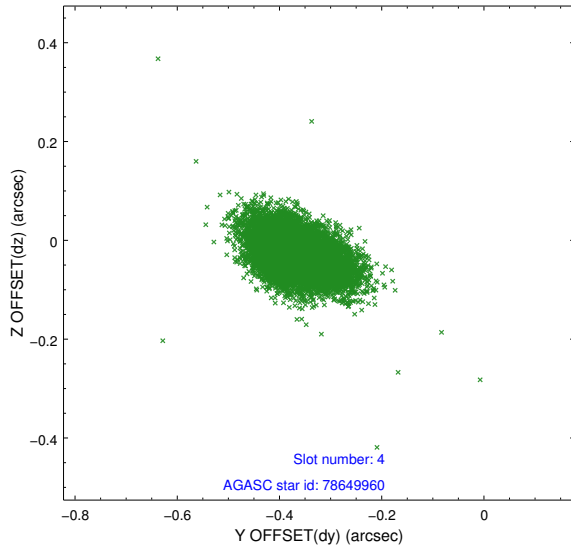
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	4451	-0.008	-0.076	0.032	0.086	0.000000	0.000000	926.18	-839.36
1	FID	ACIS-I-4	7.17	4448	0.190	0.078	0.022	0.052	0.000000	0.000000	2146.56	1060.45
2	FID	ACIS-I-5	7.22	4451	-0.281	0.067	0.018	0.034	0.000000	0.000000	-1821.79	1058.58
3	GUIDE	78648544	8.66	8897	0.148	-0.020	0.069	0.111	1.089590	12.957290	1677.39	2134.91
4	GUIDE	78649960	7.98	8900	-0.373	-0.028	0.066	0.112	0.677652	13.930677	-2107.73	2331.30
5	GUIDE	78651320	8.38	8897	0.001	0.355	0.070	0.113	0.065955	13.461465	-1503.76	-326.59
6	GUIDE	78652416	7.77	8901	-0.098	-0.029	0.073	0.112	0.074555	13.312230	-1006.02	-531.55
7	GUIDE	78255656	7.54	8901	0.319	-0.276	0.068	0.116	0.103395	12.267130	2432.47	-2063.54

2.4 Star Slots

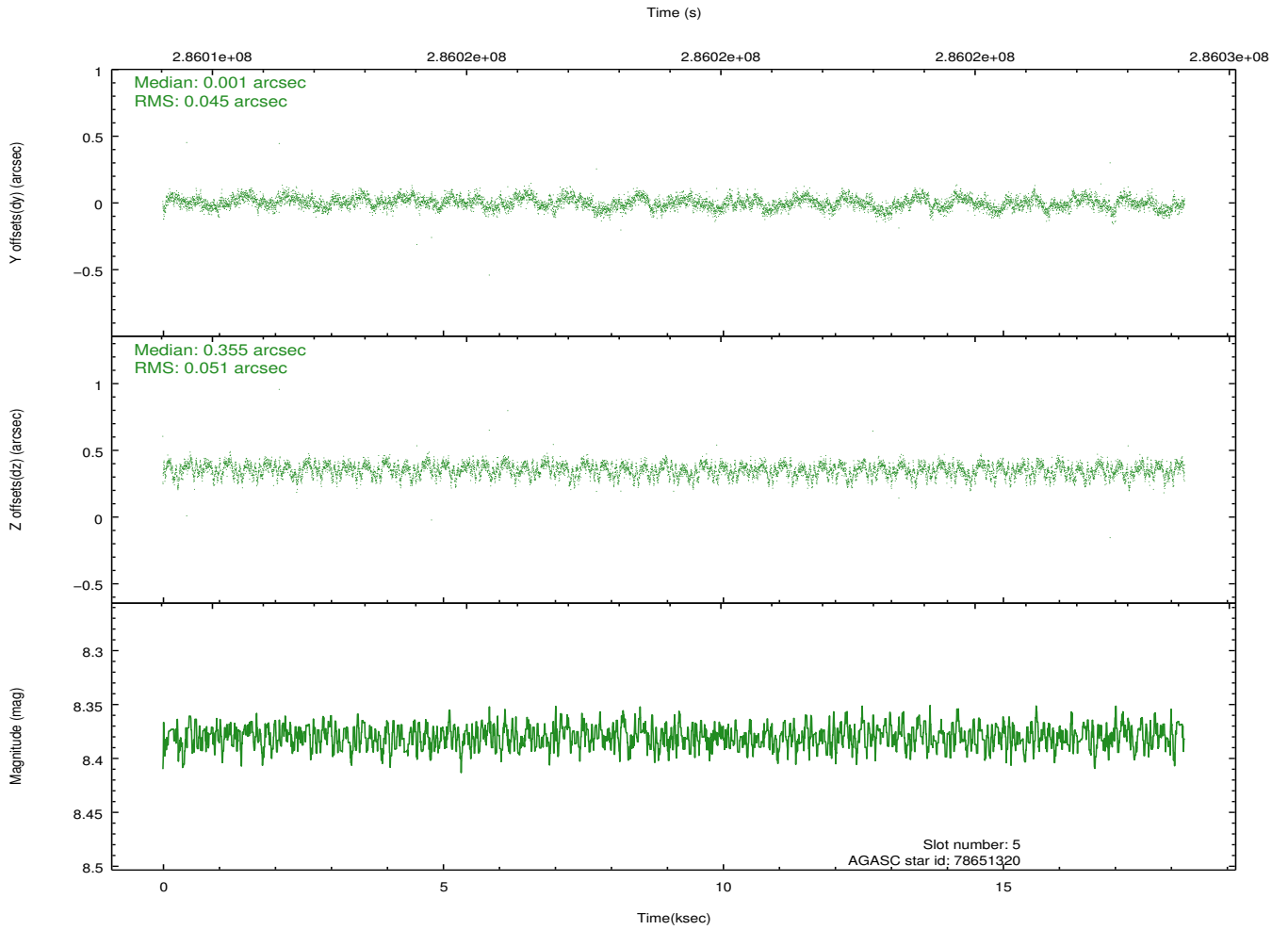
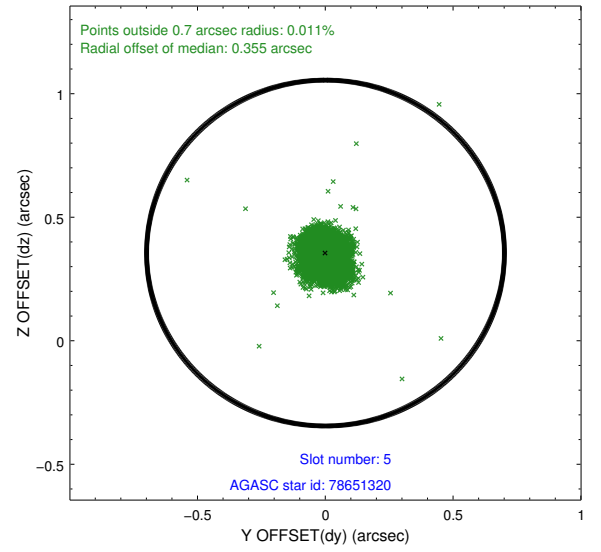
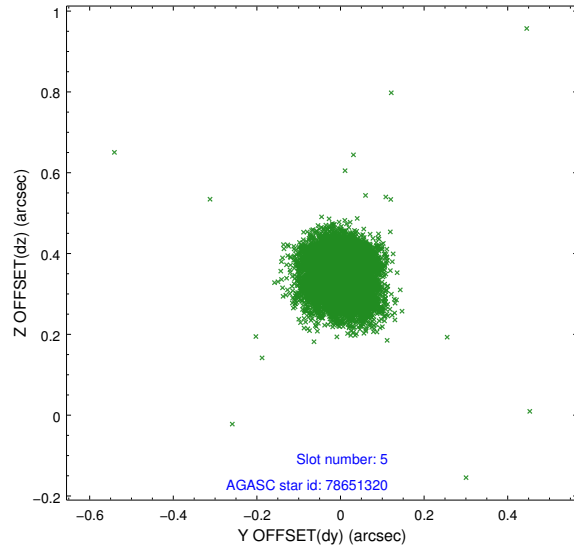
2.4.1 Slot 3



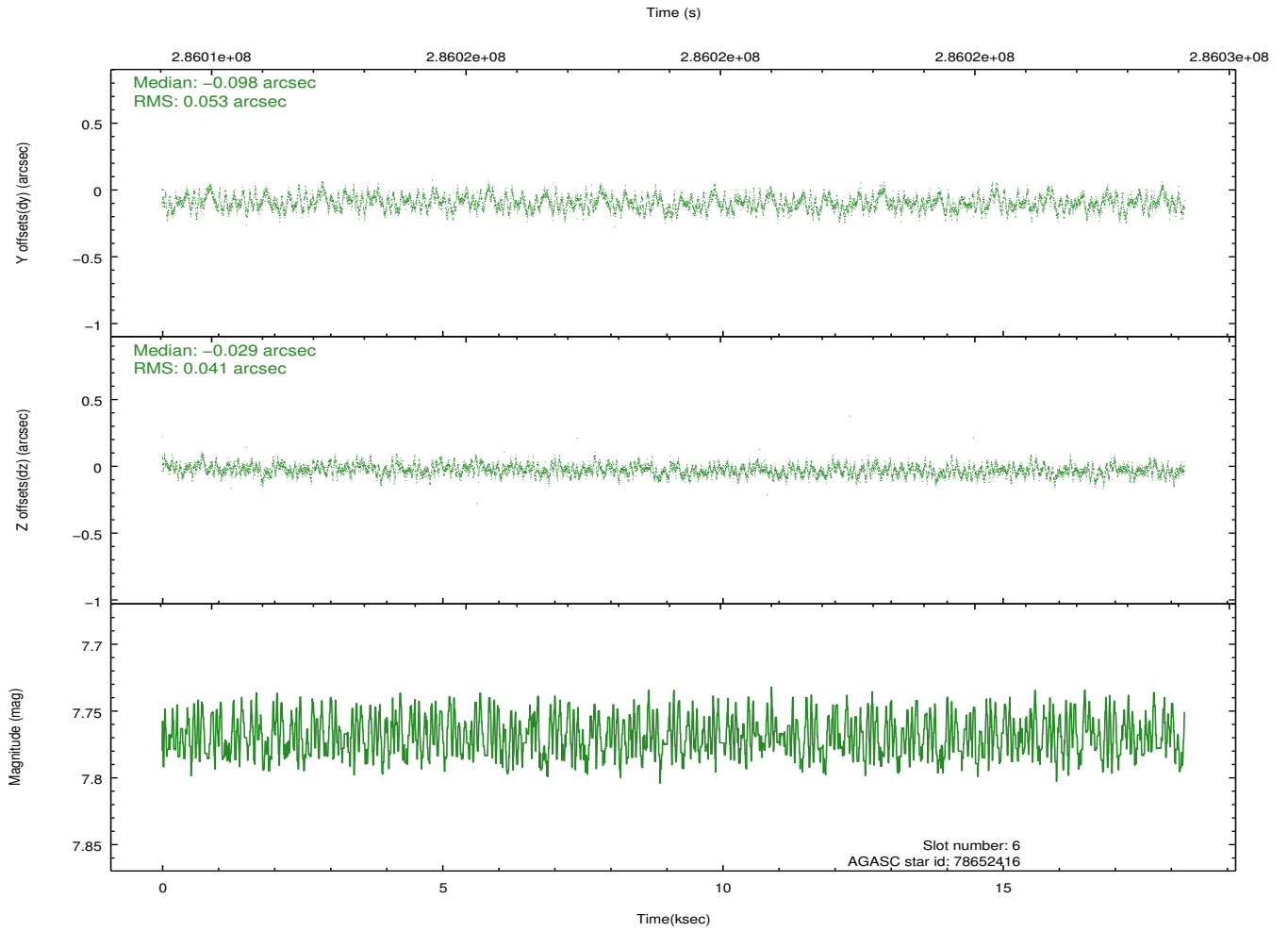
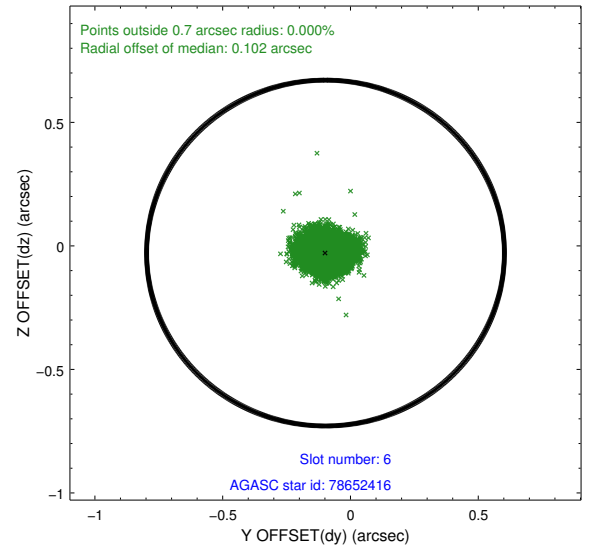
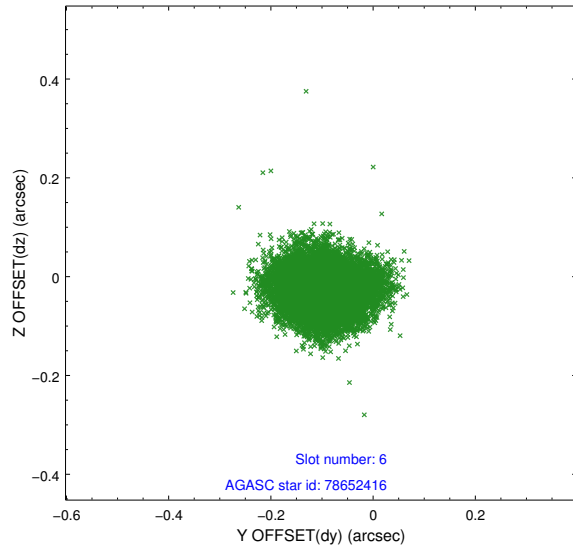
2.4.2 Slot 4



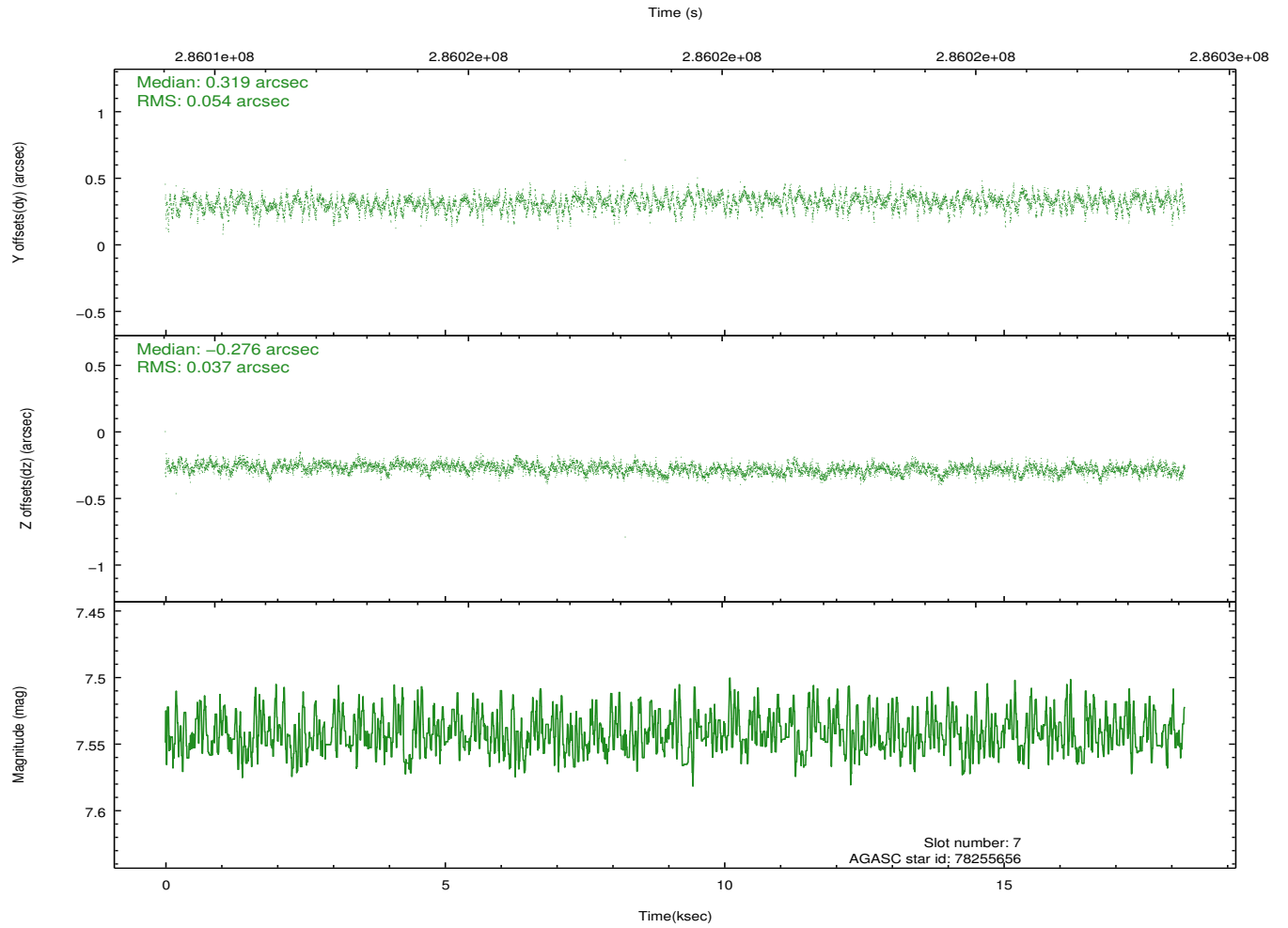
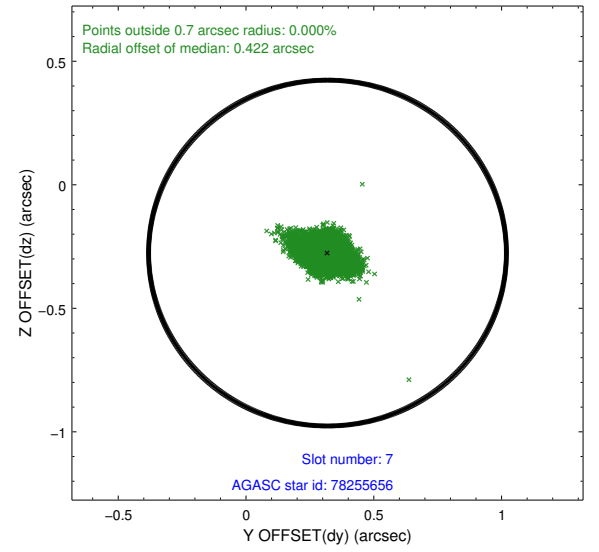
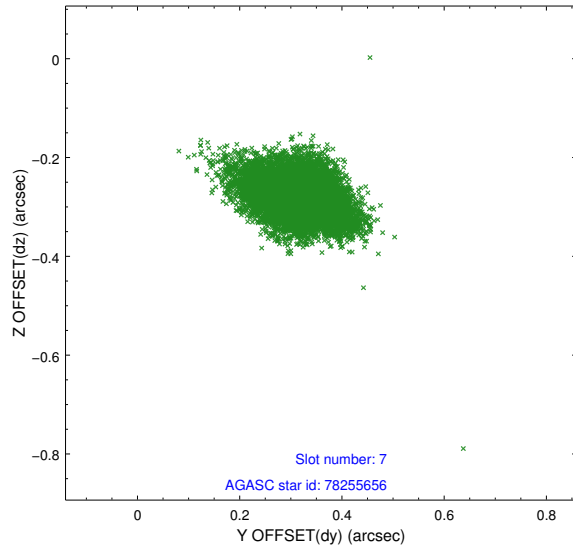
2.4.3 Slot 5



2.4.4 Slot 6

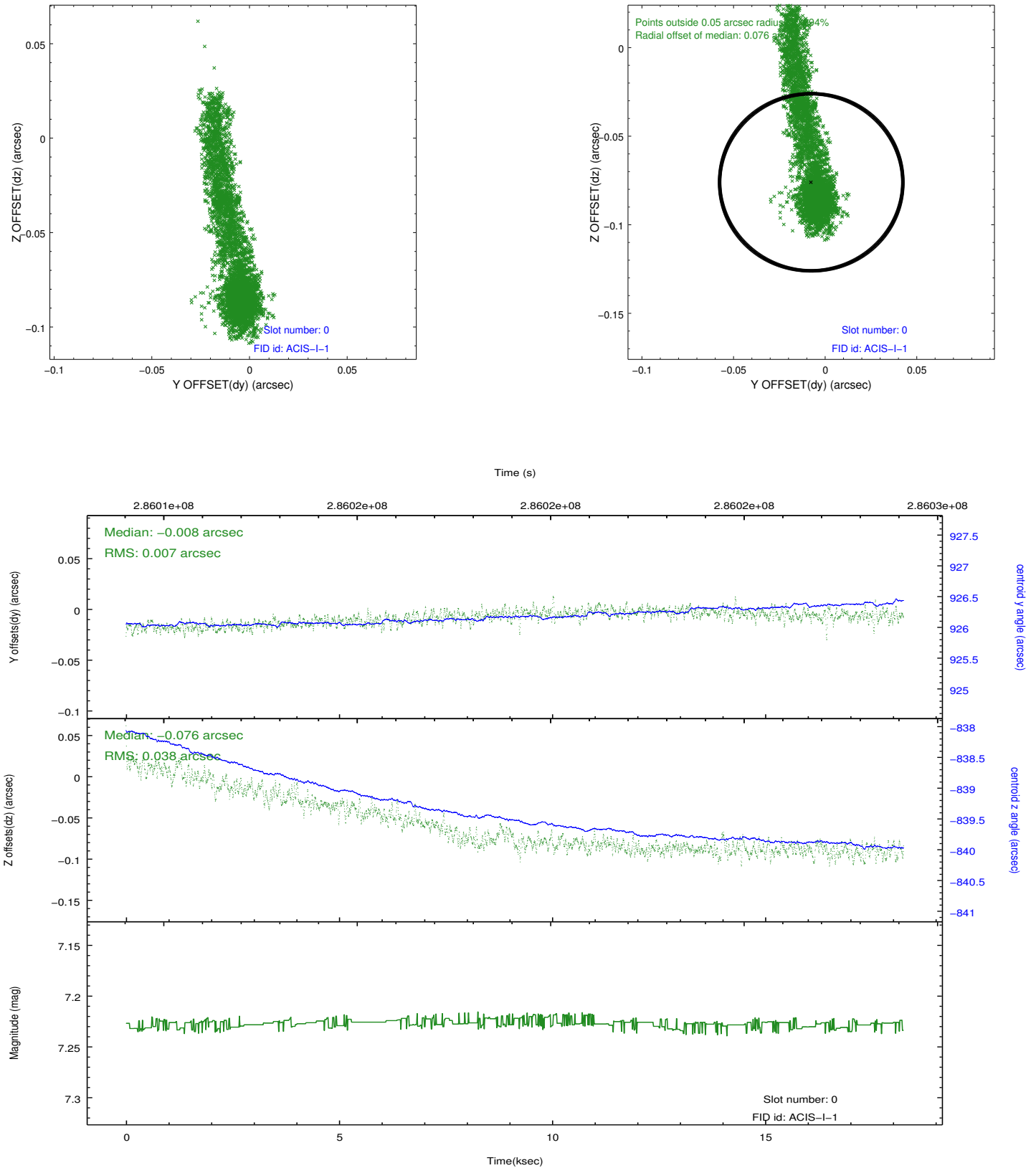


2.4.5 Slot 7

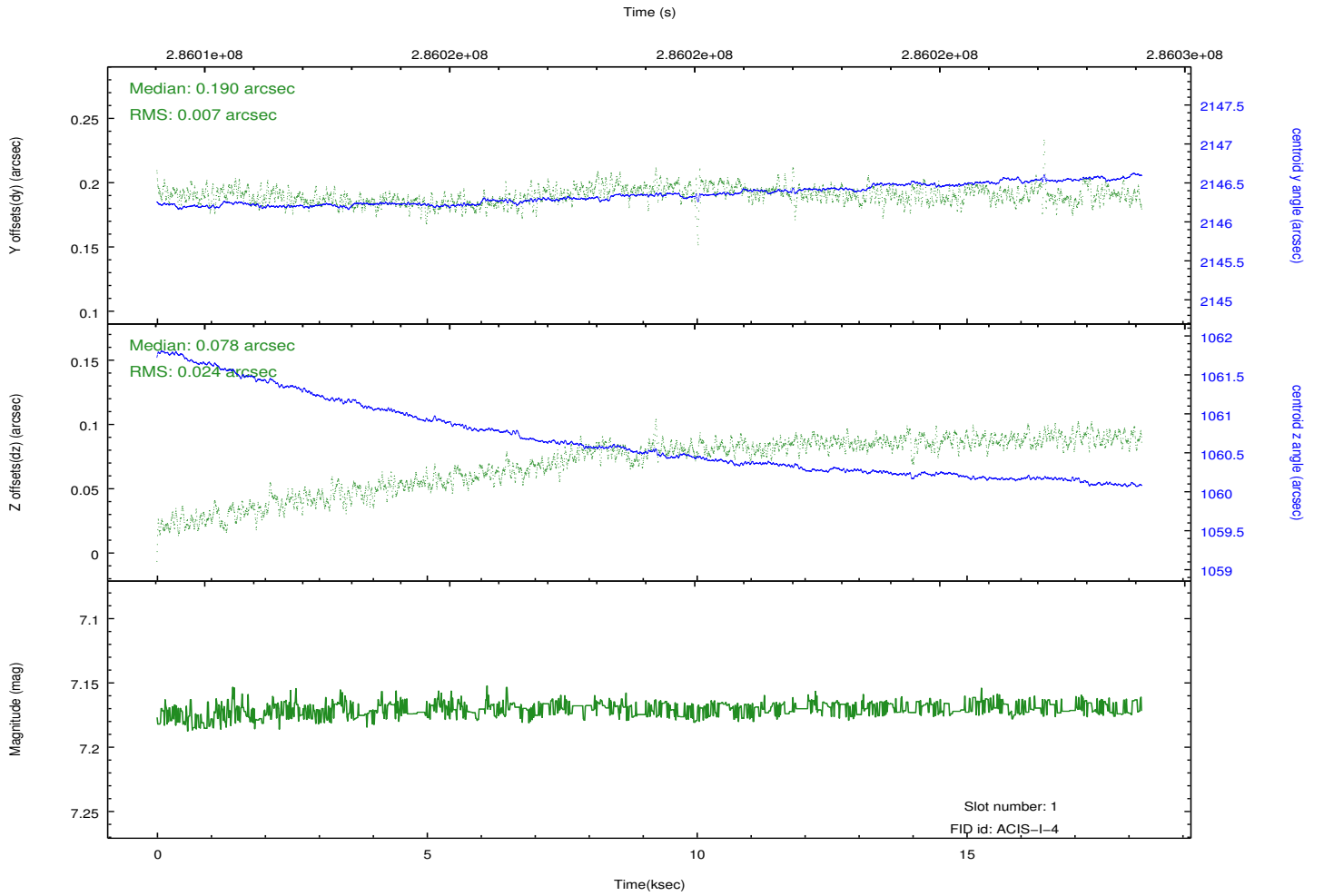
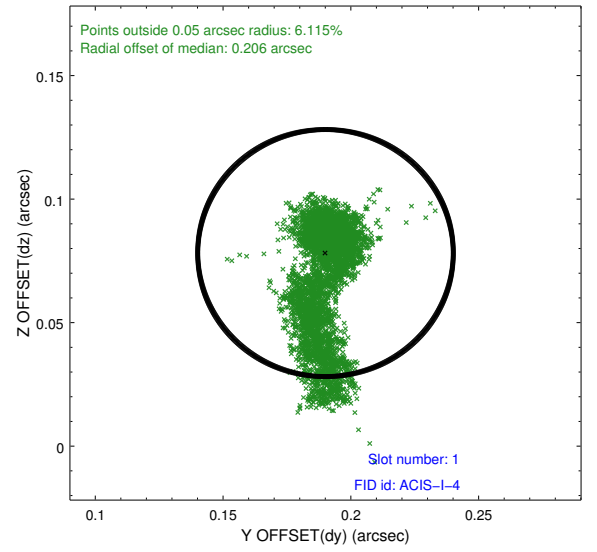
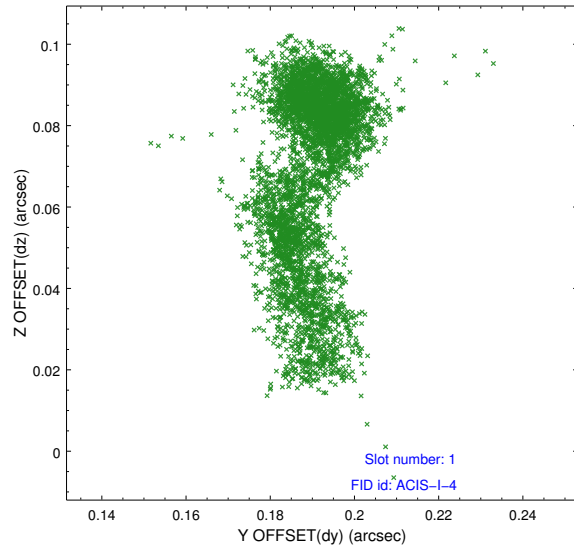


2.5 FID Slots

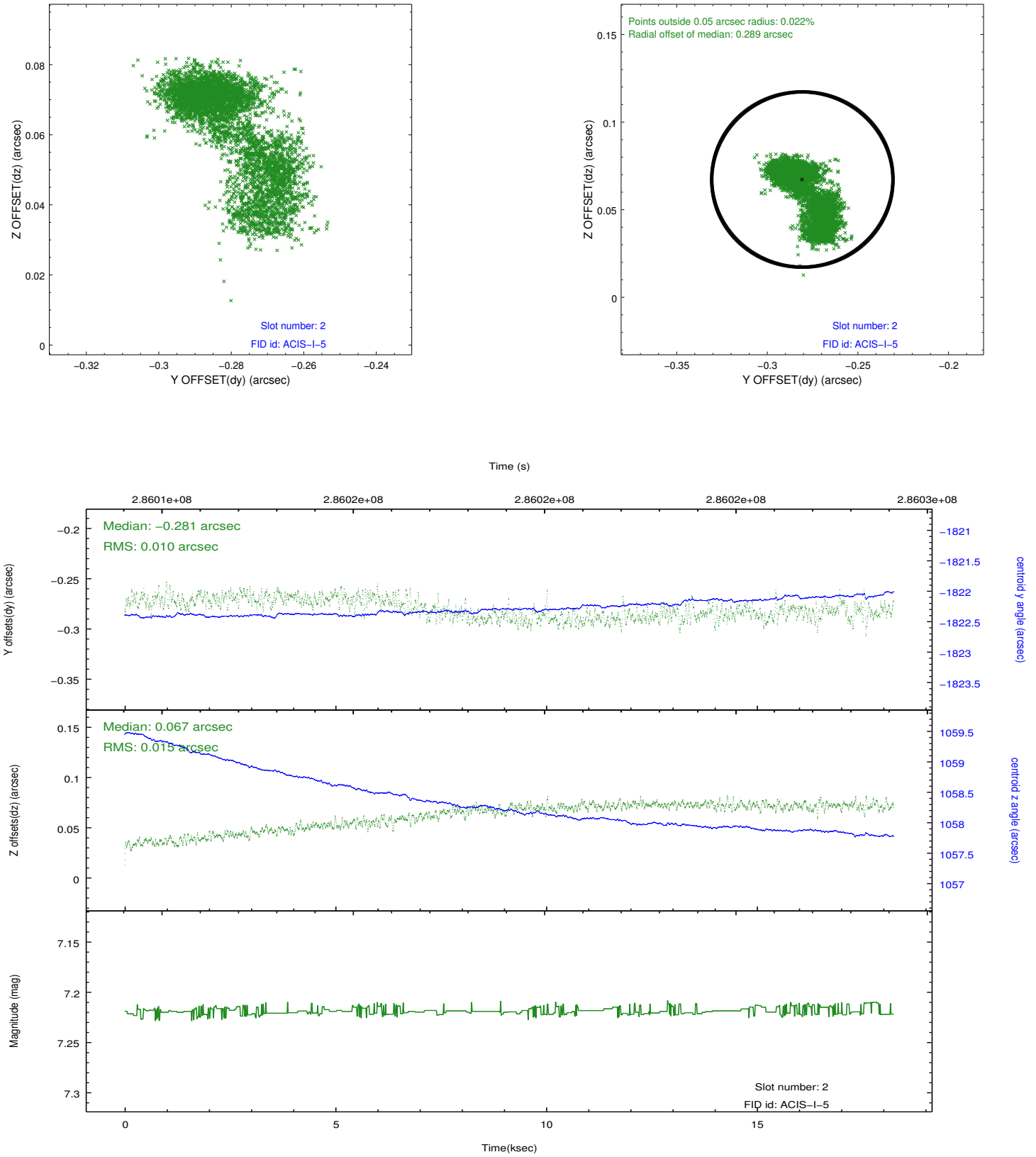
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.0668001

A.2 Comments